Workshop on “All WEEE Flows”
14 February 2017
A UK Study - 2016
UK WEEE Flows Project - Context

• 2016 - 45% Collection target
• 2019 – 65% Collection target (85% WEEE Generated)
• August 2018 – Open Scope implications for achieving collection targets
• Article 16 – Member States required to collect information on WEEE collected “through all routes” including through “substantiated estimates”.
• But only UK recyclers operating on behalf of producers are required to submit data
• And better regulation principles seek to minimise administrative burdens on business (particularly SMEs)
UK Data – An incomplete picture

- Accurate EEE data (household and non-household)
- Accurate WEEE collection data financed by producers
- Accurate WEEE received data only from treatment operators authorised to issue “evidence” to Producer Compliance Schemes
- Accurate WEEE collection data from municipalities taking responsibility for treatment of specific categories of WEEE

BUT

- Lack of data on WEEE contained in general municipal waste
- Lack of data on household WEEE collected via non-producer routes
- Lack of data on B2B WEEE treated via non-producer routes
EEE/WEEE flows project objectives

1. Update and analyse current and projected EEE onto the market and WEEE off the UK market (‘flow’)
   1. Baseline 2015, by (W)EEE category
   2. Projected to 2020, by (W)EEE category

2. Assess the impacts of upcoming legislation changes and targets on ‘flow’ and achieving compliance
   1. Changes in scoping and categorisation of EEE in 2019
   2. 2016: 45% compliance target (based on previous three year EEE sales)
   3. 2019: 65% of previous three year EEE sales, or 85% of WEEE generated
What we covered for baseline ‘flow’

**Quantify EEE on to the UK market for baseline year 2015**

- **Registered**
  - Producer reported data

- **Unregistered**
  - Free-riding including direct imports

- **Exempt**
  - Products exempt from the Directive

**Quantify WEEE generated for baseline year 2015**

- **Reported**
  - AATF reported treatment

- **Unreported**
  - LDA light iron, DCF theft, reuse, other unreported treatment

- **Other**
  - WEEE in the residual waste stream
Large domestic appliances in light iron – “Substantiated Estimates”

DCF mixed scrap metal

SDA and display from AATFs

ELV

DCF Evidenced LDA

Other sources

264kt (of which 31kt is evidenced LDA (11.6%))

75kt

1,085kt

179kt

2,482kt

(Of which 11% is LDA = 273kt)

Total shredder in feed: 4,085kt

Non-evidenced LDA: 273kt
In 2016 the estimates suggest we will comfortably comply with the Directive target if LDA in light iron is included.

Further work will be necessary to ensure compliance with 2019 targets.
Project conclusions: POM

- Total POM in 2015 is estimated to be 2,001kt
- Registered POM accounts for 88% of total POM
- 133kt (7%) is estimated to be placed on the market by unregistered companies in 2015
- 99kt (5%) is estimated to be exempt from the scope of the regulations in 2015; this will be lower in 2019
- Total POM and registered POM are both projected to increase to 2020
Project conclusions: WEEE

• Total WEEE generated in 2015 is estimated to be 1,528kt

• Reported WEEE and reuse EEE accounted for 44% of total WEEE arising in 2015

• Unreported WEEE accounted for approximately 31% of WEEE generated in 2015, of this 71% has a higher degree of confidence whereas 29% is less reliable

• 6% of WEEE generated is diverted from municipality waste sites

• WEEE generated and reported WEEE are both projected to increase through to 2020
Project conclusions: compliance

• Including LDA in light iron in substantiated estimates will see the UK comfortably comply in 2016-18 with the Directive WEEE collection target of 45% (based on % of average weight of EEE placed on the market in the three preceding years in the UK)

• Further steps and additional work is underway provide confidence in meeting 2019 collection target.

• Further work is required to substantiate the ‘other unreported’ tonnage estimated in this work as 139kt

• UK compliance could be more achievable in 2019 if the target is based on 65% of EEE POM
Questions & Discussion
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